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FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. IMRAA.020A	APPLICATION NO. 10/848,748	
	DISCLOSURE STATEMENT			
5		APPLICANT Harter		
HOV 2 4U 900 LEVER AN	L SHEETS IF NECESSARY)	FILING DATE May 19, 2004	GROUP Unknown 1725	

				U.S. PATENT DOCUMENTS			
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
SULL	1	3,571,555	3/23/71	Townes, et al.	-		
SMI	2	4,943,700	7/24/90	Hughes et al.		-	
SMIT	3	5,656,186	08/12/97	Mourou, et al.	-		
SMH	4	5,847,863	12/8/98	Galvanauskas et al.			
SMIT	5	5,984,916	11/16/99	Lai	_	_	

			FOREIGN PATENT DOCUMENTS				·_
EXAMINER	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANS	LATION
INITIAL						YES	NO
	<u> </u>						

EXAMINER INITIAL		OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)
5m/+	6	Principles of Nonlinear Optics, Chapter 17, Self-Focusing, Y.R. Shen, University of California, Berkeley, Copyright 1984 by John Wiley & Sons, Inc.
CAM	7	Computer Studies in Self-Focusing, E. Dawes, J.H. Marburger, Physical Review Vol 179, No 3 / Mar 15 1969 p 862
5MH	8	cw Self-Focusing and Self-Trapping of Light in Sodium Vapor, J. E. Bjorkholm, A. Ashkin, Physical Review Letters Vol 32 No 4 p 129, Jan 28 1974
SMH	9	Determination of the inertial contribuition to the nonlinear refractive index of air, N ₂ , and O ₂ by use of unfocuced high-intensity femtosecond laser pulses, E.T. Nibbering, G. Grillon, M.A. Franco, B.S. Prade, A. Mysyrowicz, J. Opt. Soc. Am B/Vol. 14, No. 3, March 1997 pp 650
911	10	Direct distortion of electronic clouds of rare-gas atoms in intense electric fields, R.R. Alfano, S.L. Shapiro, Physical Review Letters Vol 24, No 22 / June 1, 1970 p 1217
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SMA	12	Fiber design-from optical mode to index profile, Pao-Lo Liu, Swades De, Physical Review Vol 179, No 3 / Mar 15 1969 p 862
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SMH	14	Nondegenerate four-wave mixing enhanced by the AC Stark Effect, D. J. Harter, The Institute of Optics, The University of Rochester, Rochester, New York, 1982 Chapter 9
SMH	15	Observation of self-phase modulation and small-scale filaments in crystals and glasses, R. R. Alfano, S. L. Shapiro, Physical Review Letters Vol 24 No 11 p 592, Mar 16 1970
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EXAMINER	5. Heinrich	DATE CONSIDERED	Sept. 07, 2005	
*EXAMINER: INIT IN CONFORMANC	IAL IF CITATION CONSIDERED, WHETHER OR NO E AND NOT CONSIDERED, INCLUDE COPY OF TH	OT CITATION IS IN CONFORMANCE WITH SECOND IN CONFORMANCE WITH NEXT COMMUNICATION	TH MPEP 609; DRAW LINE THROUGH CITATION IF N TO APPLICANT.	NOT

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FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. IMRAA 020A	APPLICATION NO. 10/848,746
INFORMATION DISCLOSURE STATEMENT BY APPLICANT	APPLICANT Harter	
(USE SEVERAL SHEETS IF NECESSARY)	FILING DATE May 19, 2004	GROUP 172.5

EXAMINER INITIAL		OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)
SM	17	Pulse contrast enhancement of high-energy pulses by use of a gas-filled hollow waveguide, D. Homoelle, A. L Gaeta, V. Yanovsky, G. Mourou, Optics Letters Vol 27, No. 18 / Sept 15, 2002 p 1646
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SMH	19	Self-focusing in pressurized air at 308 nm, Y Shimoji, A.T. Fay, R.S.F. Chang, N. Djeu, CLEO 1988/ Wednesday Poster p 236 paper WM44
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SMA	23	Small-scale filaments in liquids and tracks of moving FOCI, M.M.T. Loy, Y.R. Shen, Physical Review Letters Vol 22, No 19 / May 12, 1969
SMIT	24	Ultrafast pulses promise better processing of fine structures, B. Craig, Laser Focus World Vol. 34 No. 9, Sept 1998 p. 79

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examiner S. Heinrich

DATE CONSIDERED

Sept. 07, 2005

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